# NETL/ORISE OPPORTUNITY ANNOUNCEMENT

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| **TITLE:** | Geospatial/Geoscience Data Specialist |
| **DEPARTMENT:** | U.S. Department of Energy/National Energy Technology Laboratory (NETL) |
| **NETL CONTACT:** | Jennifer Bauer |
| **DUTY LOCATION:** | Albany, OR |
| **ACADEMIC LEVEL:** | [X] PhD    [X] MS    [ ] BS    [ ] Undergrad    [ ] Faculty |
| **POSITION INFORMATION:** | 1-year appointment; full time (40 hours per week) with the possibility of extension |
| **CLOSING DATE:** | 8/30/2017 |
| **WHO MAY BE CONSIDERED:** | United States Citizens, LPRs, & Foreign Nationals with appropriate approval which includes F-1 OPT with EAD (STEM extension not valid), J-1 Exchange Visitor, and LPR with EAD |

**SUMMARY:**

Through the Oak Ridge Institute for Science and Education (ORISE) this posting seeks motivated students interested in researching as part of the geologic and environmental sciences focus area research team at NETL. NETL's Research and innovation Center conducts research to evaluate environmental impacts and risk assessments associated with domestic energy resource development.

Current research integrates geospatial, geostatistical, and geoscience expertise for performing; i) geospatial-based risk assessments related to CO2 storage, unconventional resources, offshore drilling activities, and other energy related activities, ii) developing tools for quantifying risks within various engineered-natural systems, iii) performing spatio-temporal assessments for various domestic energy infrastructure networks, iv) innovating methods and approaches to reduce geologic uncertainty, and v) developing novel tools, applications, and frameworks for improved decision support.

At present, the team is looking for support from applicants with a background combining several of the following areas:  GIS, spatio-temproral statistics, geostatistics, big data analytics, data visualization, natural or engineered-natural system modeling, machine learning, remote sensing, tool/model/application design and development, web-based visualization, and online analytics. Applicants with expertise working with GIS software systems (e.g., ESRI's ArcGIS, QGIS, or other open source GIS software), database management software (e.g., Access, AQLServer, PostgreSQL, etc.), scripting languages, including Python, statistical software (e.g., Matlab, R, etc.), as well as geoscience knowledge of engineered-natural systems are preferred.

**HOW TO APPLY:**

Applicants should apply through the Oak Ridge Institute for Science and Education (ORISE) program.  The ORISE Program provides opportunities for undergraduate students, recent

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graduates, graduate students, postdoctoral researchers, and faculty researchers to apply classroom knowledge in a real-world setting to learn about NETL Research and Innovation Center's (R&IC) core mission areas.

- Interested applicants should complete the online application at http://www.orau.gov/netl/.
- In the online application **list** Jennifer Bauer **as your requested mentor.** This will associate your application with this job posting. Please send a CV to Jennifer.bauer@netl.doe.gov.
- If you have additional questions please contact Patricia Adkins-Coliane, Patricia.adkins-coliane@netl.doe.gov, who is the NETL Graduate Education Program Manager.